

U.S. DEPARTMENT OF COMMERCE National Oceanic and Atmospheric Administration

NATIONAL MARINE FISHERIES SERVICE Southwest Fisheries Center Honolulu Laboratory P. O. Box 3830 Honolulu, Hawaii 96812 April 20, 1981

Dr. Robert Shallenberger Refuge Manager Fish and Wildlife Service P.O. Box 50167 Honolulu, Hawaii 96850

Dear Rob:

Your mention the other day of Sheila and a Bishop Museum Archaeologist going to Necker this summer reminded me of the following. While on Necker I documented old ordnance both partially buried in the ground and resting on the surface. For example, a fully intact 500lb bonb sits precariously on the peak at the northestern end of the island. According to EOD Navy people that I contacted, it could still conceivably go off. In other areas, particularly Flagpole Hill, the tail portions of presumably bombs and rockets are just visibly at the surface.

I want to once again call all of this to the attention of Fish and Wildlife Service so that proper measures can be instituted to protect visiting researchers and others. This hazard was formally pointed out in my 1977 report on Necker entitled "Ecological aspects of green turtles at Necker Island", as copy of which should be in your files. At an earlier date, the recording and reporting of bombs in the waters immediately surrounding Necker Island were carried out by myself, Skip Naftel and Leighton Taylor.

I hope that the present reiteration of this information will be useful to your management program for the Refuge.

Sincerely

George Balazs Fishery Biologist

cc Bill Gilmartin